

Amendments to the Claims:

This listing of the claims replaces all prior versions of the claims in the application:

Listing of claims:

1. (previously presented) A device comprising:
a plurality of shape memory wires woven together to form a body suitable for implantation into an anatomical structure, the body having first and second ends, the shape memory wires crossing each other to form a plurality of cells and a plurality of angles, at least one of the angles being obtuse, at least one of the cells being defined by only four sides, and both ends of at least one shape memory wire being located proximate one end of the body;
wherein the value of the at least one obtuse angle may be increased by axially compressing the body.
2. (original) The device of claim 1, wherein the shape memory wires comprise nitinol.
3. (original) The device of claim 1, wherein the shape memory wires comprise FePt, FePd or FeNiCoTi.
4. (original) The device of claim 1, wherein the shape memory wires comprise FeNiC, FeMnSi or FeMnSiCrNi.
5. (original) The device of claim 1, wherein the shape memory wires each have a diameter ranging in size from about 0.006 inches to about 0.012 inches.
6. (original) The device of claim 1, wherein the plurality of shape memory wires includes at least 6 shape memory wires.
7. (original) The device of claim 1, wherein the body has a tubular shape with a substantially uniform diameter.

8. (original) The device of claim 1, wherein the body has a tapered shape with a diameter that decreases from one end of the body to the other end of the body.
9. (original) The device of claim 1, wherein the body has a generally hourglass shape.
10. (original) The device of claim 1, wherein the body is hand woven.
11. (original) The device of claim 1, wherein the body is machine woven.
12. (original) The device of claim 1, further comprising a graft material attached to the body.
13. (original) The device of claim 12, wherein the graft material comprises woven polyester.
14. (original) The device of claim 12, wherein the graft material comprises Dacron.
15. (original) The device of claim 12, wherein the graft material comprises polyurethane.
16. (original) The device of claim 12, wherein the graft material comprises PTFE.
17. (original) The device of claim 12, wherein the graft material partially covers the body.
18. (original) The device of claim 1, further comprising:
a first tube configured to accept a guide wire; and
a second tube configured to fit over the first tube.
19. (original) The device of claim 18, wherein the second tube is placed over the first tube, one end of the body is secured to the first tube and the other end of the body is secured to the second tube.
20. (previously presented) A device comprising:

a body suitable for implantation into an anatomical structure, the body having a first end, a second end and being defined by at least n shape memory wires, wherein n is greater than one, the n shape memory wires being arranged such that the body comprises a first portion, the first portion comprising a first woven portion and at least one strut, the shape memory wires of the first woven portion crossing each other to form a plurality of cells and a plurality of angles, at least one of the angles being obtuse, at least one of the cells being defined by only four sides, and both ends of at least one shape memory wire being located proximate one end of the body;

wherein the value of the at least one obtuse angle may be increased by axially compressing the body.

21. (original) The device of claim 20, wherein the shape memory wires comprise nitinol.
22. (original) The device of claim 20, wherein the shape memory wires comprise FePt, FePd or FeNiCoTi.
23. (original) The device of claim 20, wherein the shape memory wires comprise FeNiC, FeMnSi or FeMnSiCrNi.
24. (original) The device of claim 20, wherein the body further comprises a second portion adjacent the first portion, the second portion comprising a second woven portion, and the second portion having $n + x$ shape memory wires, wherein x is at least one.
25. (original) The device of claim 20, wherein the first portion comprises a first woven portion separated from a second woven portion by multiple first struts.
26. (original) The device of claim 25, wherein the first portion has a generally domed shape.

27. (original) The device of claim 25, wherein the first woven portion has a generally domed shape and the multiple first struts are bent slightly so as to increase the self-anchoring capability of the body in an anatomical structure.
28. (original) The device of claim 25, wherein the first portion further comprises a third woven portion separated from the second woven portion by multiple second struts, and wherein the first and third woven portions have generally domed shapes.
29. (original) The device of claim 20, further comprising a graft material attached to the body.
30. (original) The device of claim 29, wherein the graft material comprises woven polyester.
31. (original) The device of claim 29, wherein the graft material comprises Dacron.
32. (original) The device of claim 29, wherein the graft material comprises polyurethane.
33. (original) The device of claim 29, wherein the graft material comprises PTFE.
34. (original) The device of claim 29, wherein the graft material partially covers the body.
35. (original) The device of claim 20, further comprising:
a first tube configured to accept a guide wire; and
a second tube configured to fit over the first tube.
36. (original) The device of claim 35, wherein the second tube is placed over the first tube, one end of the body is secured to the first tube and the other end of the body is secured to the second tube.
- 37-66. (canceled)

67. (previously presented) An occluding system comprising:
a plurality of shape memory wires woven together to form a body useful for occluding an anatomical structure, the body having first and second ends, both ends of at least one shape memory wire being located proximate one end of the body, the shape memory wires crossing each other to form a plurality of cells and a plurality of angles, at least one of the angles being obtuse, and at least one of the cells being defined by only four sides;
wherein the value of the at least one obtuse angle may be increased by axially compressing the body.
68. (canceled)
69. (previously presented) A device comprising:
a body suitable for implantation into an anatomical structure, the body having a first end and a second end, wherein the body comprises a shape memory wire having a first segment and a second segment, the segments being separated by a bend in the wire located proximate one end of the body, the first segment and second segments being arranged to form loops and twisted segments such that at least two contiguous substantially closed loops are separated from another loop by a twisted segment.
70. (previously presented) A device comprising:
a body suitable for implantation into an anatomical structure, the body having two ends and comprising a shape memory wire having a first segment and a second segment, the segments being separated by a bend in the wire located proximate one end of the body, the segments being secured to each other in loop-defining locations, the segments also extending between the loop-defining locations in spaced relation to each other so as to form at least two loops, at least one of the at least two loops having a compressed shape.
71. (previously presented) A device comprising:

a plurality of shape memory wires woven together to form a body suitable for implantation into an anatomical structure, the body having a first end, a second end, and an intersection of two shape memory wires crossed in non-interlocking fashion;

where both ends of at least one shape memory wire are located proximate one end of the body, and the two crossed wires form an obtuse angle that may be increased by axially compressing the body.

72. (previously presented) The device of claim 71, where the shape memory wires comprise nitinol.

73. (previously presented) The device of claim 71, where the shape memory wires comprise FePt, FePd or FeNiCoTi.

74. (previously presented) The device of claim 71, where the shape memory wires comprise FeNiC, FeMnSi or FeMnSiCrNi.

75. (previously presented) The device of claim 71, where the shape memory wires each have a diameter ranging in size from about 0.006 inches to about 0.012 inches.

76. (previously presented) The device of claim 71, where the plurality of shape memory wires includes at least 6 shape memory wires.

77. (previously presented) The device of claim 71, where the body has a tubular shape with a substantially uniform diameter.

78. (previously presented) The device of claim 71, where the body has a tapered shape with a diameter that decreases from one end of the body to the other end of the body.

79. (previously presented) The device of claim 71, where the body has a generally hourglass shape.

80. (previously presented) The device of claim 71, where the body is hand woven.
81. (previously presented) The device of claim 71, where the body is machine woven.
82. (previously presented) The device of claim 71, further comprising a graft material attached to the body.
83. (previously presented) The device of claim 82, where the graft material comprises woven polyester.
84. (previously presented) The device of claim 82, where the graft material comprises Dacron.
85. (previously presented) The device of claim 82, where the graft material comprises polyurethane.
86. (previously presented) The device of claim 82, where the graft material comprises PTFE.
87. (previously presented) The device of claim 82, where the graft material partially covers the body.
88. (previously presented) The device of claim 71, further comprising:
a first tube configured to accept a guide wire; and
a second tube configured to fit over the first tube.
89. (previously presented) The device of claim 88, where the second tube is placed over the first tube, one end of the body is secured to the first tube and the other end of the body is secured to the second tube.
90. (previously presented) A device comprising:

a plurality of shape memory wires woven together to form a body suitable for implantation into an anatomical structure, the body having a first end, a second end, a middle, and an intersection of two shape memory wires crossed in non-interlocking fashion;

where both ends of at least one shape memory wire are located nearer one end of the body than the middle, and the two crossed wires form an obtuse angle that may be increased by axially compressing the body.

91. (previously presented) The device of claim 90, where the shape memory wires comprise nitinol.

92. (previously presented) The device of claim 90, where the shape memory wires comprise FePt, FePd or FeNiCoTi.

93. (previously presented) The device of claim 90, where the shape memory wires comprise FeNiC, FeMnSi or FeMnSiCrNi.

94. (previously presented) The device of claim 90, where the shape memory wires each have a diameter ranging in size from about 0.006 inches to about 0.012 inches.

95. (previously presented) The device of claim 90, where the plurality of shape memory wires includes at least 6 shape memory wires.

96. (previously presented) The device of claim 90, where the body has a tubular shape with a substantially uniform diameter.

97. (previously presented) The device of claim 90, where the body has a tapered shape with a diameter that decreases from one end of the body to the other end of the body.

98. (previously presented) The device of claim 90, where the body has a generally hourglass shape.

99. (previously presented) The device of claim 90, where the body is hand woven.
100. (previously presented) The device of claim 90, where the body is machine woven.
101. (previously presented) The device of claim 90, further comprising a graft material attached to the body.
102. (previously presented) The device of claim 101, where the graft material comprises woven polyester.
103. (previously presented) The device of claim 101, where the graft material comprises Dacron.
104. (previously presented) The device of claim 101, where the graft material comprises polyurethane.
105. (previously presented) The device of claim 101, where the graft material comprises PTFE.
106. (previously presented) The device of claim 101, where the graft material partially covers the body.
107. (previously presented) The device of claim 90, further comprising:
a first tube configured to accept a guide wire; and
a second tube configured to fit over the first tube.
108. (previously presented) The device of claim 107, where the second tube is placed over the first tube, one end of the body is secured to the first tube and the other end of the body is secured to the second tube.